



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/523,533

02/02/2005

Philip Rene Leurs

NL03 0995 US

7537

24738

7590

11/17/2008

PHILIPS INTELLECTUAL PROPERTY & STANDARDS

PO BOX 3001

BRIARCLIFF MANOR, NY 10510-8001

EXAMINER

NGO, HUNG V

ART UNIT

PAPER NUMBER

2831

MAIL DATE

DELIVERY MODE

11/17/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/523,533	Applicant(s) LEURS ET AL.	
	Examiner Hung V. Ngo	Art Unit 2831	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 July 2008.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8, 11-15 and 17-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8, 11-15 and 17-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-8, 17, 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wimberger et al (US 2002/0029900) in view of Li (US 2002/0157247)

Wimberger et al disclose a consumer electronic product (mobile phone)[0026] comprising a body (4, 11) provided with a three-dimensional shape that is derived from the product and incorporates structurally at least part of a shape of the product, wherein the body comprises an electrically insulating material and a pattern of electrical conductors (circuit board 4, 11), wherein the conductors are mechanically anchored in the body, a plurality of electric elements (5, 12) being encapsulated (2, 20) in the body and being electrically connected to the pattern of electrical conductors (Figs 1, 2).

Re claim 4, a sensing or transmitting first element (inherent for a mobile phone) at a surface of the body for radiation of a first kind and an auxiliary second element for processing or providing of the radiation, the first element and the second element having a predetermined spatial interrelationship to each other to allow their functioning, which is defined in the body, the first element being electrically connected to the pattern of electrical conductors in the body (Fig 1)

Re claim 5, further comprising a separate signal processing unit (5, 12) (mobile phone) in or at a surface of the body (Fig 1, 2).

Re claim 6, Wimberger et al disclose a consumer electronic product (mobile phone)[0026] comprising a body (4, 11) provided with a three-dimensional shape that is derived from the product and incorporates structurally at least part of a shape of the product, the body comprising an electrically insulating material and a pattern of electrical conductors (circuit board 4, 11), wherein the pattern includes contact pads for external contacting (Fig 1, 2) and wherein the conductors are mechanically anchored in the body (Fig 1, 2), a plurality of electric elements (5, 12) being encapsulated (2, 20) in the body and being electrically connected to the pattern of electrical conductors (Fig 1, 2), wherein the conductors are present at a surface only partially (Fig 1, 2).

Re claim 7, wherein the contact pads for external contacting are exposed at the surface of the body (Fig 2).

Re claim 8, further comprising means for mechanical attachment of a device, component or carrier to the body (Fig 1, 2).

Re claim 17, wherein the consumer electronic product comprises a mobile phone, and the three-dimensional shape of the body forms a basic carrier plate of components in the mobile phone [0026](Fig 1, 2).

Re claim 19, wherein the front part comprises elements including at least one of a camera, a loudspeaker, a buzzer, a display (14), a key, touchscreen, a lamp and a microphone [0026](Fig 1, 2).

Art Unit: 2831

Re claim 20, wherein the elements are directly connected to each other without connectors or flexible foils cables (Fig 1, 2).

Re claim 21, wherein the consumer electronic product comprises at least one of a mobile phone, a coffee machine, a water boiler, and remote controller [0026](Fig 1, 2).

The teaching as discussed above does not disclose the pattern includes contact pads for contacting a component that can be assembled to a surface of the body (re claims 1, 3), means for mechanical attachment of a component or carrier the body (re claim 2).

Li teaches the use of contact pads for contacting a component (chip) that can be assembled to a surface of a body (printed circuit board) [0137], means (solder) for mechanical attachment of a component or carrier the body. It would have been obvious to one of ordinary skill in the art at the time the invention was made to include the contact pads and means for mechanical attachment for the purpose of surface mounting the component to the body.

Claims 11-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Gazit et al (US 5,219,640) in view of Wimberger et al (US 2002/0029900).

Re claim 11, Gazit et al disclose an electrically insulating body (10) provided with a conductor pattern (16), which body acts as a carrier of the conductor pattern and as a carrier of elements embedded in the body and/or components assembled to the body (Fig 6), which body includes a rigid portion and a flexible portion (25), in which rigid portion the body comprises a non-elastic electrically insulating material and in which flexible portion the body comprises an elastic, electrically insulating material (abstract).

Re claim 12, wherein the flexible portion comprises conductors according to a desired pattern (Fig 4).

Re claim 13, wherein the flexible portion is provided between a first and a second rigid portion (Fig 6).

Re claim 14, wherein the pattern of conductors is at least partially present at a surface of the body (Fig 1) (abstract).

Re claim 15, an electric element that is assembled to the body or embedded in the body (Fig 13).

The teaching as discussed above does not disclose the body defines locations of element and has a shape of consumer electronic product.

Wimberger et al teach the use body defines locations of element and has a shape of consumer electronic product (Mobile phone)(Fig 1, 2). It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the body of Gazit et al by employing the shape of consumer electronic product for intended use.

Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Wimberger et al (US 2002/0029900) in view of Li (US 2002/0157247) as applied to claim 1 above, and further in view of Kubo (US 2003/0195020).

The teaching as discussed above does not disclose wherein the body having a recess at the side part, and wherein a portion of the conductors lie in the recess.

Kubo teaches the use of body (60) having a recess at a side part, and wherein a portion of the conductors lie in the recess [0066](Fig 3). It would have been obvious to

Art Unit: 2831

one of ordinary skill in the art at the time the invention was made to modify the body of Wimberger et al by employing the recess for the purpose of fitting with the mounting structure.

Response to Arguments

Applicant's arguments with respect to claims 1, 6, 11 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung V. Ngo whose telephone number is (571) 272-1979. The examiner can normally be reached on Monday to Friday 9:00-5:00.

Art Unit: 2831

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Diego Gutierrez can be reached on (571) 272-2800 EXT 31. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Hung V Ngo/
Primary Examiner, Art Unit 2831